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JavaScript is a central part of modern web development. The emergence of HTML5, AJAX, frameworks, and jQuery have made JavaScript an essential part of the web developers toolkit.



Our 1-day Advanced JavaScript training course reinforces language fundamentals, and looks at the complex issue of scope. Tools for structuring and testing JavaScript are examined and relevant frameworks and libraries are discussed. At the end of the course the role of server-side JavaScript using Node is introduced.

In this programme training course, you will learn from experienced web developers who will draw from knowledge gained from practice as well as from a history of running training courses. As this is a private course, the content can be tailored to your needs so you get exactly what you want out of the 1 day.

If you are new to JavaScript, we recommend our beginners JavaScript training course - also available as part of our Mobile Web Week with HTML5 & CSS3 and Responsive Web Design.

Advanced JavaScript training is a private course, scheduled at a time and place to suit you. We can run a course at our premises in Brighton or provide in-house training. Please call +44 (0)1273 622272 to discuss your needs and arrange a quote.

Prerequisites

Before attending our Advanced JavaScript course you must first attend our Beginners JavaScript Training Course or have equivalent experience and certifications.

Course Objectives

On completion of this Advanced JavaScript training course, you will:

- Be confident with the fundamentals of the language
- Understand objects, JSON, object literals and prototypal inheritance
- Be aware of scope problems, and how to manage them
- Understand the ideas behind JavaScript frameworks.

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- Be familiar with jQuery, and templating tools.
- Know about tools for creating modular code, and testing.

Introduction

- Javascript review
- Variables, functions, objects, scope
- Working with the DOM
- AJAX

Understanding OBJECTS

- Object basics
- Object literals
- Prototypal inheritance & Object.create()
- JSON

Understanding SCOPE

- Managing globals
- Namespaces
- Closure
- Working with THIS and NEW

NODE

- Creating server-side code using Javascript

Development TOOLS

- Web modules using Require.JS
- Testing using Jasmine

Frameworks

- An overview of Javascript frameworks.
- Using Knockout and the MVVM pattern

Libraries & Templates

- jQuery : AJAX, events, animation, plug-ins.
- Templates : mustache

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Enhance your existing skills or what you learnt on our beginners JavaScript course with our 2-day Advanced JavaScript training course.

At the end of the course you will be confident using the JavaScript language and will be familiar with jQuery and templating tools.